



Product designation

Product type designation

Rotary cam  
switches  
GX16

### General characteristics

Switching diagram

91 - ON/OFF  
switch 2 poles

N° of elements

1

Mounting form

U - Front  
mounting with  
black handle

### Contact characteristics

Rated insulation voltage  $U_i$

|        |   |     |
|--------|---|-----|
| IEC/EN | V | 690 |
| UL/CSA | V | 600 |

Rated impulse withstand voltage  $U_{imp}$

|    |   |
|----|---|
| kV | 6 |
|----|---|

Conventional free air thermal current  $I_{th}$

|        |   |    |
|--------|---|----|
| IEC/EN | A | 16 |
| UL/CSA | A | 12 |

Rated operational voltage

|   |     |
|---|-----|
| V | 440 |
|---|-----|

Rated operational impulse voltage

|    |   |
|----|---|
| kV | 4 |
|----|---|

Maximum fuse size for short-circuit protection  $I_n$  (gG)

|      |   |    |
|------|---|----|
| 10kA | A | 16 |
| 15kA | A | 16 |
| 25kA | A | 16 |

Rated short time current  $I_{cw}$

|    |   |     |
|----|---|-----|
| 1s | A | 250 |
|----|---|-----|

Conductivity

10/5 mA/V

Operational current  $I_e$  IEC/EN

AC1/AC21A

|   |    |
|---|----|
| A | 16 |
|---|----|

AC15

|          |   |     |
|----------|---|-----|
| 110V     | A | 10  |
| 220/230V | A | 8   |
| 380/400V | A | 4   |
| 660/690V | A | 1.5 |

Rated operational power in AC

Three-phase AC-3

|          |    |     |
|----------|----|-----|
| 220/230V | kW | 3.5 |
| 380/440V | kW | 4.5 |
| 500/690V | kW | 5.5 |

Single-phase AC-3

|          |    |      |
|----------|----|------|
| 110V     | kW | 0.55 |
| 220/230V | kW | 1.5  |
| 380/440V | kW | 2.2  |

Three-phase AC23A

|          |    |     |
|----------|----|-----|
| 220/230V | kW | 3.7 |
|----------|----|-----|

|                                        |          |                 |                   |
|----------------------------------------|----------|-----------------|-------------------|
|                                        | 380/440V | kW              | 6.5               |
|                                        | 500/690V | kW              | 7.5               |
| Single-phase AC23A                     |          |                 |                   |
|                                        | 110V     | kW              | 0.75              |
|                                        | 220/230V | kW              | 1.8               |
|                                        | 380/440V | kW              | 3                 |
| Rated operational current in DC        |          |                 |                   |
| DC21A                                  |          |                 |                   |
|                                        | 48V      | A               | 16                |
|                                        | 60V      | A               | 16                |
|                                        | 110V     | A               | 4                 |
|                                        | 220V     | A               | 0.6               |
|                                        | 440V     | A               | 0.25              |
| DC23A (poles in series)                |          |                 |                   |
|                                        | 24V      | A               | 16 (1)            |
|                                        | 48V      | A               | 16 (2)            |
|                                        | 60V      | A               | 16 (3)            |
|                                        | 110V     | A               | 10 (3)            |
|                                        | 220V     | A               | 7 (4)             |
| DC13                                   |          |                 |                   |
|                                        | 24V      | A               | 16                |
|                                        | 48V      | A               | 14                |
|                                        | 60V      | A               | 10                |
|                                        | 110V     | A               | 1                 |
|                                        | 220V     | A               | 0.4               |
|                                        | 440V     | A               | 0.15              |
| Power dissipation                      |          | W               | 0.6               |
| Mechanical features                    |          |                 |                   |
| Terminals screw                        |          |                 | 3M                |
| Tightening torque for terminals max    |          | Nm              | 0.5               |
| Conductor size                         |          |                 |                   |
| AWG - Rigid cable                      |          |                 |                   |
|                                        | min      | AWG             | 20                |
|                                        | Max      | AWG             | 12                |
| AWG - Flexible cable                   |          |                 |                   |
|                                        | min      | AWG             | 20                |
|                                        | Max      | AWG             | 12                |
| Conductor size (IEC) - Flexible cable  |          |                 |                   |
|                                        | min      | mm <sup>2</sup> | 0.5               |
|                                        | Max      | mm <sup>2</sup> | 2.5               |
| Conductor size (IEC) - Rigid cable     |          |                 |                   |
|                                        | min      | mm <sup>2</sup> | 0.5               |
|                                        | Max      | mm <sup>2</sup> | 2.5               |
| Mechanical life                        |          | cycles          | 1X10 <sup>6</sup> |
| UL technical data                      |          |                 |                   |
| Motor power for direct-on-line control |          |                 |                   |
| for three-phase motor                  |          |                 |                   |
|                                        | 120V     | HP              | 1.5               |
|                                        | 240V     | HP              | 3                 |
|                                        | 480V     | HP              | 5                 |
|                                        | 600V     | HP              | 5                 |
| for single-phase motor                 |          |                 |                   |
|                                        | 120V     | HP              | 0.75              |
|                                        | 240V     | HP              | 1                 |

## Ambient conditions

### Temperature

#### Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

#### Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

## Resistance & Protection

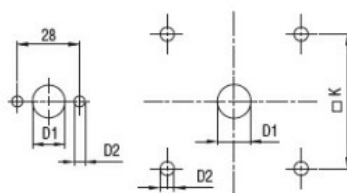
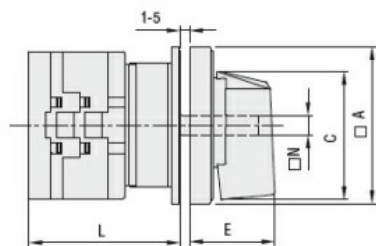
### Frontal IP degree

IP65

### Terminals IP degree

IP20

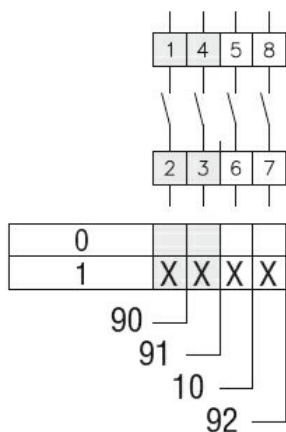
## Dimensions



Drillings for 4 screws fixing  
(4V version).

| Series | Dimensions |      |     |     |      |    |    | L Number of elements |      |    |      |    |      |     |       |     |       |     |       |
|--------|------------|------|-----|-----|------|----|----|----------------------|------|----|------|----|------|-----|-------|-----|-------|-----|-------|
|        | □A         | C    | ØD1 | ØD2 | E    | □K | □N | 1                    | 2    | 3  | 4    | 5  | 6    | 7   | 8     | 9   | 10    | 11  | 12    |
| GX16   | 48         | 39.5 | 12  | 5   | 26.5 | 36 | 6  | 43                   | 51.5 | 60 | 68.5 | 77 | 85.5 | 94  | 102.5 | 111 | 119.5 | 128 | 136.5 |
| GX20   | 48         | 39.5 | 12  | 5   | 26.5 | 36 | 6  | 43                   | 51.5 | 60 | 68.5 | 77 | 85.5 | 94  | 102.5 | 111 | 119.5 | 128 | 136.5 |
| GX32   | 65         | 53   | 14  | 5   | 34.5 | 48 | 7  | 51                   | 63   | 75 | 85   | 99 | 111  | 123 | 135   | 147 | 159   | 171 | 183   |
| GX40   | 65         | 53   | 14  | 5   | 34.5 | 48 | 7  | 51                   | 63   | 75 | 85   | 99 | 111  | 123 | 135   | 147 | 159   | 171 | 183   |

## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

UL60947-4-1

### Certificates

cULus

EAC

## ETIM classification

ETIM 8.0

EC001105 - Off-  
load switch